



തൃശ്ശൂർ KERALA GAZETTE

ആധികാരികമായി പ്രസിദ്ധപ്പെടുത്തുന്നത്
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PART III

Stores Purchase

Fire and Rescue Services Department

e-TENDER NOTICES

(1)

No. F2-1305/2015/KFRS-1. 11th February 2015.

e-tenders in two cover system are invited from competent dealers for the Fabrication of 14 Nos. of Mini Water Tender based on Water Mist Technology (Quick Response Vehicle) with respective specifications to this department. The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>. Since this is an e-tender, only those bidders who have enrolled in the above portal with their own digital signature certificate (DSC) can participate in the tender.

e-tender document and other details can be obtained from the above e-portal.

The tender has two parts.

1. Technical bid.
2. Financial bid (BOQ).

Tender No. with PAC—KFRS/E-TENDER/RE-TENDER No. 50/2014-15—` 193.67 Lakh.

Closing date and time of e-tender—2-3-2015, 5 p. m.

Last date and time of receipt of e-tender—2-3-2015, 5 p. m.

Date and time of opening of e-tender:

1. Technical bid—6-3-2015, 11 a. m.
2. Financial bid—7-3-2015, 11 a. m.

Cost of e-tender (online submission)—` 25,000 + VAT @ 5%.

Date upto which the rates are to remain firm for acceptance—31-3-2015.

EMD—1% of PAC in online payment.

Security Deposit—5% of total contract amount inclusive of EMD to be furnished on receipt of the supply order as online payment.

Period of supply—Within 1 month of receipt of Chassis.

The bidder desiring to take part in the bid shall log into <https://etenders.kerala.gov.in> and then select tender and initiate payment. Bidders will be directed to the payment gateway page of the State Bank of Travancore. There are two options-State bank of Travancore SBT Net banking payment, payment through NEFT from other banks to the payment gateway of SBT.

For obtaining digital signature certificate (DSC) and necessary portal enrolment bidders can visit the website <https://etenders.kerala.gov.in>

Tenders will be opened in the online, presence of such tenderers or their authorized representatives who have logged in at the prescribed time of opening technical & financial bids. If the date fixed for opening happens to be a holiday/due to net failure the tenders will be opened in the next working day at the same time.

The price of the e-tender form shall be received only through online payment-SBT/SBT NEFT.

The cost should be quoted in Indian currency only.

The tender has two covers

- Technical cover
- Financial cover

The first cover ie. the technical cover shall be uploaded with the following documents:

1. Scanned copy of complied specification of the product intended to supply.
2. Scanned copy of the agreement in the prescribed format in Kerala Stamp Paper worth ` 100.
3. Brochure of the product intended to supply.
4. Work experience certificate or other relevant details.
5. Scanned copies of the declaration by the bidder on Kerala Stamp Paper worth ` 100 to the effect that he/his partner/s or any of his directors is not involved in any Vigilance Case registered in connection with any supply made to this Department.

Soon on opening of the technical bid of e-tenders, the committee constituted to evaluate the technical aspects of the equipment will meet and scrutinize the tender documents along with technical specification of the equipment submitted with the e-tender.

The financial bid belonging to those dealers/suppliers who qualified in the technical bid of the equipment required by Kerala Fire & Rescue Services Department alone will be considered.

On finalization of the same, the second cover ie. the financial bid of the concerned competent firm will be opened for consideration.

The originals of Complied Technical Specification, Agreement in Stamp Paper worth ` 100, Declaration in Stamp Paper worth ` 100 brochures shall be produced before the undersigned soon after the Financial Bid opening.

After opening the financial bid, financial evaluation is made only after consultation with the DPC and the decision of the DPC shall be final and will be uploaded in the financial evaluation field of the e-tender site whether the tender is financially admitted or not and thereafter the awarding of the contract.

The committee headed by the Commandant General, Kerala Fire & Rescue Services Department will scrutinize the tenders received and will recommend suitably. The decision of the Commandant General will be final for the award of the contract.

The right of acceptance or rejection of e-tender without assigning any reason is solemnly vested with Commandant General, Kerala Fire & Rescue Services.

The rules and regulations prescribed for e-tenders by the Government of Kerala shall be applicable to this e-tender also.

Details with respect to the e-tender and the details of specifications of the item to be purchase can be obtained from the e-tender website <https://etenders.kerala.gov.in>.

Any legal disputes that may arise in relation to the e-tender formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

Conditions

1. Whether Samples are essential : Pamphlets, Photograph, Drawings CDS etc., should be forwarded along with the tender.
2. Period with in which goods should be delivered : Within 1 month from receipt of Chassis.
3. Rates should be quoted : f.o.r., for the delivery including Thiruvananthapuram all taxes, transportation charge, customs duty and 3 years AMC amount, after warranty period
4. Payment : 90% payment against delivery at Thiruvananthapuram in good condition.
5. Other Special conditions :
 1. A guarantee of 2 years from the date of delivery of the item.
 2. EMD—1% of PAC in online payment.
 3. Security Deposit 5% of total contract amount inclusive of EMD to be furnished on receipt of the supply order as mentioned in the Notice inviting e-Tender.
 4. Any firm whose Proprietor, Partner or Director is involved in a Vigilance Case registered in connection with a supply made to this Department earlier shall be barred from participating in this tender.

5. Anybody attempting to offer bribe or otherwise influence the officials of the Kerala Fire and Rescue Services will be disqualified from participating in the tender.
6. A 3 years AMC should be provided by the qualified firm after warranty period. AMC amount also quoted in the bid.
7. One additional pump in the same specification mentioned also be supplied separately without attaching in each vehicle.

Specification for the Fabrication of Quick Response Vehicle

The Quick Response Vehicle shall be fabricated on the Tata 207 DI EX vehicle supplied by the Department. The QRV shall necessarily consist of a unit of water mist fire fighting system and necessary rescue tools.

1. Water Mist Fire Fighting System

The water mist fire fighting systems shall have water tank of capacity 350 liters and foam tank of 50 liters and should be designed to be mounted on Tata 207 DI EX which will be supplied by the Department. It should have minimal requirement of space and weight while optimizing on man power requirement and minimizing the water and other collateral damage to be negligible in comparison to conventional water tender. The unit design shall be complete with opening roller shutter and frame which provide protection for the unit itself and easy transportation.

2. General Description

- 2.1. The water mist fire fighting system shall be a self-driven fire fighting unit operated with inbuilt petrol engine coupled to a pump and attached with a reducer, hose pipes and mist generating Guns.
- 2.2. The water mist system shall be capable of carrying 350 (Three hundred and fifty) liters of water and 50 liters of foam concentrate with a separate system to pump and mix in the required ratio, which can be discharged in the form of mist from a Gun.
- 2.3. The system should have 2 Nos. of 60 meters standard hose reel hose to deliver water to the scene of fire which shall be tested at 1.5 times the max. working pressure of the system.
- 2.4. The discharge gun shall be of light weight having stainless steel/brass nozzle capable of producing water mist with the ability to control the discharge in short burst and long shots by means of a rotating collar in the gun. The gun shall have necessary handles to hold it properly for fire fighting.
- 2.5. The foam required shall be aqueous film forming foam (AFFF).
- 2.6. The unit shall have adequate provisions for safety of the system.

3. Specification Details of the Unit

Weight of empty 400 liters Complete unit.
(including tanks, pumping unit, piping, hose reel, etc.).....<200 kgs. (Max)

Usable water capacity..... Min. 350 ltrs.

Built in foam concentrate tank..... Min. 50 ltrs.

No. of deliveries..... Min. 2 Nos.

3.1. Main Extinguishing Gun (Water)

Weight of extinguisher gun..... 2 kgs. Max.

Gun dimension..... As compact as possible.

Working pressure on the nozzle..... 60 bars max with nominal reaction

Throw..... Jet-not less than 15m
(+/-10%)

Mist-not less than 6m (+/-10%)

3.2. Secondary Extinguishing Gun (Water/Foam)

Weight of extinguisher gun..... 2 kgs. Max.

Gun dimension..... As compact as possible.

Working pressure on the nozzle..... 60 bars max with nominal reaction

Throw..... Jet-not less than 15m
(+/-10%)

Mist-not less than 6m (+/-10%)

Hose reel..... 60 mtr (standard) on manual drum

Max. set operating pressure..... 40 bars

Starter..... Electric starter with provision of pull cord over-ride

Level indicator..... Mechanical.

4. Main Pump of the Unit

The pump should be capable of suction of water from tank, maintain adequate discharge rate and pressure for operation of nozzle at optimum efficiency.

Max. Pressure..... 40 bars

Max. flow..... 50 Litre/min.

Power of the engine..... not less than 13 HP

Fuel..... Unleaded petrol

5. Engine of the Unit

- 5.1. The prime mover of pump shall be four stroke petrol driven engine and shall have compatible electrical and lubrication system. The engine should preferably be on 12v Battery for which adequate charger shall also be provided. Suitable electronic instruments shall be provided on the body of engine/panel for fuel level, battery and temperature.
- 5.2. The engine shall have electric starter and emergency manual starter.

6. *Foam Mixing System*

A suitable means shall be provided for mixing of foam from tank so that proportion for delivery remains constant and foam quality is maintained.

Size of foam tank..... 50 Litre (min.)

Max. mixing..... 6% (Adjustable from 3 to 6%)

The foam mixing system should prevent the return of foam inside the water tank and water to the foam tank.

7. *Accessories*

The unit shall have the following:

Electric starter (Enabling the Unit to be electrically started)	— 1 No.
Utility light 12V, 55W complete with telescopic bar	— 1 No.
Complete control panel	— 1 No.
Hour counter	— 1 No.
Aspiration kit complete with 6 mtrs.	
Suction pipe	— 1 No.

Emergency light bar (Beacon light) with combination of red, blue and white on the roof of the cab with 2 ton hooter minimum 50W would be provided on the cabin roof top in the best suitable manner. The switch of the light/siren would be provided on the dash board.

8. *Safety Devices*

8.1. The following safety device shall form part of equipment.

(1) The unit shall have proper heat and exhaust outlet for the engine without causing any interference to the operator while operating the unit.

(2) Any other safety device which is felt to be necessary to be a part of the equipment.

9. *Main Water Tank*

9.1. The water tank shall be made of GRP giving a corrosion free life and light weight to the WATER MIST SYSTEM, having usable water storage capacity of 350 ltrs. properly baffled into segment to reduce water surge. The thickness of the water tank should be of min. 5mm. A man hole of 330mm and overflow pipe and an optical level of water should be part of the tank. The tank should resist to flame and be anti ignition complying with the following standards.

DIN 53438-3

FIAT 50433

FIAT 50433/01

The tank must be monolithic (one piece design) to eliminate the problem of the limited mechanical resistance to lateral and centrifugal forces of the tank when vehicle driven on uneven ground.

The details of material of tank along with specification shall be indicated in the offer.

The complete water mist unit including the Engine, water/foam tank, pump, hose reels, HP discharge guns etc. shall be of European origin and shall be CE marked.

11. *Hose Reel Hoses*

11.1. The hoses provided in the system shall be high quality and shall be capable of holding,

The temp. ranging from -5°C to +60°C. The material specification, working pressure, test pressure and cracking pressure should be indicated for each type of hose. The minimum length of each hose should be 60 M.

11.2. The seals and O-rings used in the system should be of synthetic material like Nitrite rubber of equivalent.

12. *Operating Conditions.*

Water Mist Fire Fighting system shall operate satisfactorily under the following climatic conditions.

(a) Variation of ambient temperature from -20°C to +55°C with 98% relative humidity.

(b) Dusty and corrosive atmosphere.

(c) Altitude—up to 1200m above Mean Sea Level.

13. *Marking*

Making shall give details of capacity, manufacturer's name, month/year of manufacturing of the system etc.

14. *Test of Acceptance of Fire Fighting System*

Physical dimensions, performance and weight check of equipment as given under different items above shall form part of test of acceptance. The appliance shall be inspected in different stages before mounting of the complete unit to the chassis and after mounting of the complete unit on to the chassis. Stage inspections will be carried out from the department during each stage of fabrication. All necessary arrangements shall be arranged by the tenderer at the fabrication yard for the proper conduct of such inspections as and when required by the department.

15. *Workmanship and Finish*

All parts of the appliance shall be of good workmanship and shall have streamlined finish. The appliance shall be painted in Fire Red "DUPONT" Make confirming to Shade No. 536 of IS: 5-2007 as per clause No. 5.2 of IS: 10460-1983. Fire service insignia shall be painted on both sides of the appliance in golden and black lettering.

The vendor shall submit 3 sets of the drawings showing plan, section and elevation along with load distribution diagram of the appliance fully loaded with their offer. All material specification and quantity shall also be supplied along with their offer. Successful vendor shall start the fabrication only after getting the drawing approved from the Department. Without these the technical bids will not be considered and will stand rejected.

16. *Equipment*

The vehicle shall be supplied with the following equipment. There should be provision in the vehicle for the proper storage and transportation of the equipment without affecting the operation of the water mist unit.

- | | |
|--|---------------|
| (1) Hydraulic combi tool with integrated hand pump | — 1 No. |
| (2) Breathing apparatus set (SCBA) | — 2 Nos. |
| (3) Chain saw Petrol Driven | — 2 Nos. |
| (4) Search Light | — 2 Nos. |
| (5) Shears | — 2 Nos. |
| (6) Small gears | — 1 Set |
| (7) Life Buoy & Life Jacket | — 2 Nos. each |

Specification for the above equipment will be separately issued from the department.

17. *Manufacturer's Guarantee Certificate*

The Manufacture shall furnish guarantee for the material, workmanship and performance of the appliance and for all the equipment supplied, for a period of 2 years from the date of receipt of the appliance. The manufacturer shall be responsible for replacing any part which may become unserviceable during the above period due to substandard material/bad workmanship, free of all charges. The manufacturer shall ensure the availability of the spares of all parts for repair and replacement at least for 5 years.

COMPLIANCE STATEMENT

A specification compliance statement in the following Performa shall be submitted along with the offer, and the statement should be complete in all aspect and should cover each and every details of specification.

Specification compliance statement for Fabrication of Quick Response Vehicle

Sl. No.	Detail of Departmental Technical Specification	Detail of the product offered	Deviation from Departmental Technical Specification, if any
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(2)

No. F2-1293/2015/KFRS-1.

12th February 2015.

e-Tenders in two cover system are invited from competent dealers for the purchase of 28 Nos. of Combi Tools with respective specifications to this department. The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>. Since this is an e-tender, only those bidders who have enrolled in the above portal with their own Digital Signature Certificate (DSC) can participate in the tender.

E-Tender document and other details can be obtained from the above e-portal.

The tender has two parts.

1. Technical bid.
2. Financial bid (BOQ).

Tender No. with PAC—KFRS/E-TENDER No. 49/2014-15—` 70 Lakhs.

Closing date and time of e-tender—2-3-2015, 5 p. m.

Last date and time of receipt of e-tender—2-3-2015, 5 p. m.

Date and time of opening of e-tender:

1. Technical bid—6-3-2015, 11 a. m.
2. Financial bid—7-3-2015, 11 a. m.

Cost of e-Tender (online submission)—` 10,500 + VAT @ 5%.

Date upto which the rates are to remain firm for acceptance—31-3-2015.

EMD—1% of PAC in online payment.

Security Deposit—5% of total contract amount inclusive of EMD to be furnished as online payment.

Period of supply—Within 2 weeks of receipt of supply order.

The bidder desiring to take part in the bid shall log into <https://etenders.kerala.gov.in/> and then select tender and initiate payment. Bidders will be directed to the payment gateway page of the State Bank of Travancore. There are two options—State Bank of Travancore SBT, Net banking payment, payment through NEFT from other banks to the payment gateway of SBT.

For obtaining Digital Signature Certificate (DSC) and necessary portal enrolment bidders can visit the website <https://etenders.kerala.gov.in/>

Tenders will be opened in the online presence of such tenderers or their authorized representatives who have logged in at the prescribed time of opening technical & financial bids. If the date fixed for opening happens to be a holiday/due to net failure the tenders will be opened in the next working day, at the same time.

The price of the e-tender form shall be received only through online payment SBT/SBT NEFT.

The cost should be quoted in Indian currency only.

The tender has two covers

- Technical cover
- Financial cover

The first cover ie: the technical cover shall be uploaded with the following documents:

1. Scanned copy of complied specification of the product intended to supply.
2. Scanned copy of the agreement in the prescribed format in Kerala Stamp Paper worth ` 100.
3. Brochure of the product intended to supply.
4. Work experience certificate or other relevant details.
5. Scanned copies of the declaration by the bidder on Kerala Stamp Paper worth ` 100 to the effect that he/his partner/s or any of his directors is not involved in any Vigilance Case registered in connection with any supply made to this Department.

Soon on opening the technical bid of e-tenders the committee constituted to evaluate the technical aspects of the instrument will meet and scrutinize the technical specification of the equipment submitted with the e-tender.

The financial bid belonging to those dealers/suppliers who qualified in the technical bid of the equipment required by Kerala Fire & Rescue Services Department alone will be considered.

On finalization of the same, the second cover ie., the financial bid of the concerned competent firm will be opened for consideration.

The originals of Complied Technical Specification, Agreement in Kerala Stamp Paper worth ` 100 and declaration in Stamp Paper worth ` 100 shall be produced before the undersigned soon after the Financial Bid opening.

After opening the financial bid financial evaluation is made only after consultation with the DPC and the decision of the DPC shall be final and will be uploaded in the financial evaluation field of the e-tender site whether the tender is financially admitted or not and thereafter the awarding of the contract.

The committee headed by the Commandant General, Kerala Fire & Rescue Services Department will scrutinize the tenders received and will recommend suitably. The decision of the Commandant General will be final for the award of the contract.

The right of acceptance or rejection of e-tender without assigning any reason is solemnly vested with Commandant General, Kerala Fire & Rescue Services.

The rules and regulations prescribed for e-tenders by the Government of Kerala shall be applicable to this e-tender also.

Details with respect to the e-tender and the details of specifications of the item to be purchase can be obtained from the e-tender website <https://etenders.kerala.gov.in>.

Any legal disputes that may arise in relation to the e-tender formalities will be restricted to the jurisdiction of Thiruvananthapuram District Court.

Conditions

1. Whether Samples are essential : Pamphlets, photograph, Drawings, CDS etc., should be forwarded along with the tender.
2. Period with in which goods should be delivered : Within 2 weeks from receipt of supply order.
3. Rates should be quoted : f.o.r., including all taxes, transportation charge, 2 years AMC amount after warranty period, etc. Thiruvananthapuram
4. Payment : 90% payment against delivery at Thiruvananthapuram in good condition.
5. Other Special Conditions :
 1. A warranty of 12 months from the date of delivery of the item.
 2. EMD— 1% of PAC in online payment.
 3. Security Deposit 5% of total contract amount inclusive of EMD to be furnished as mentioned in the Notice inviting e-Tender.
 4. Any firm whose proprietor, Partner or Director is involved in a Vigilance Case registered in connection with a supply made to this Department earlier shall be barred from participating in this tender.
 5. Anybody attempting to offer bribe or otherwise influence the officials of the Kerala Fire and Rescue Services will be disqualified from participating in the tender.
 6. 2 years AMC should be provided by the qualified firm after the warranty period. AMC amount also quoted in the bid.

Technical Specification for Combi Tools

General Requirement:

- The Combi Tools shall be portable and light-weight hydraulically operated, and shall be suitable to use by one man. The operation of the tool shall be possible by the same person who holds the tool.
- It shall be a self - contained tool with integrated hand pump and the pumping action shall be towards the object that is to be cut or spread.
- The head of the equipment shall be fixed type and the handle shall be rotatable up to 180° in any direction. The handle should have a self/Manual locking system which can lock the handle in any desirable position.
- For the safety of the operators, victims and bystanders, the tools shall be powered by non-toxic, mineral based hydraulic oil . Any toxic fluid shall not be used.
- The Combi Tools shall be designed to withstand a trest pressure of two times their maximum working pressure. Moreover, all tools shall comply with the European CE safety standards and European Norm EN 13204 standards.
- The tool body, yokes and spreader arms shall be made out of high quality aluminium alloy for solid construction with low weight. All aluminium alloy parts shall be anodised as a protection against corrosion and scraching. All hinge pins, levers and cutter blades shall be made out of high tensile (heat treated) tool steel and blackened as protection against corrosion.
- The construction of the tool should be so as to allow its use under water for long periods without the risk of any material damage to any part of the tool.
- The tools shall be fully operational for longer periods at temperatures ranging from -5° to 60° C.
- The tools shall be supplied with proper operation/ safety instruction manuals.

TECHNICAL SPECIFICATION OF THE TOOL:

Spreading distance—Greater than 250mm

Min. Spreading force—Not less than 25kn.

Max. Spreading force—Not less than 200kn.

Max. Squeezing force—Not less than 45kn.

Max. Cutting force—Not less than 240kn.

Cutting Opening —Not less than 180kn.

Max. pulling force with
pulling attachments—Not less than 60kn.

Weight (Ready to use)—Not more than 12kgs.

The tool shall be supplied with the following accessories

- Spare blade set.
- Pulling attachments.
- Pulling Chains
- Carrying strap.
- Carrying harness.
- Case for storage and transport of the tool.

COMPLIANCE STATEMENT

A specification compliance statement in the following proforma shall be submitted along with the offer and the statement should be complete in all aspect and should cover each and every details of specification.

Specification Compliance Statement for Combi Tools

Sl. No.	Detail of Departmental Technical Specification	Detail of the product offered	Deviation from Departmental Technical Specification, if any
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Fire & Rescue Services
Headquarters,
Housing Board Junction,
Thiruvananthapuram.

JOE KURUVILLA EASOW,
Director (Admn.)
For Commandant General.